

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/CN02/00930

A. CLASSIFICATION OF SUBJECT MATTER				
Int.Cl <sup>7</sup> H01L 33/00, F21S 2/00, G08G 1/095 According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
Minimum documentation searched (classification system followed by classification symbols) Int.Cl <sup>7</sup> H01L 33/00, F21S 2/00, G08G 1/095				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Chinese Documents(1985-)				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) CNPAT,EPODOC,WPI,PAJ: LED, chip,base,light reflecting plane,radiator,traffic sign,surface light source				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
A	CN2335265Y (Zhou,Wanshun) 25.August 19998 (25.08.99) all document	1-8		
A	CN2386535Y (YIGUANG ELECTRONICS CO LTD) 05.July 2000 (05.07.00) all document	1-8		
A	CN2256561Y (SHANGHAI NORTH-SOUTH MECHANICAL&ELECTRICAL ENGINEERING LTD) 18.June 1997 (18.06.97) all document	18-19		
A	CN2462225Y (Zhang ,Chen) 28.November 2001(28.11.01) all document	9-16		
A	CN2444117Y (SHENZHEN SAIWEI INDUSTRIAL LTD) 22.August 2001(22.08.01) all document	9-16		
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.				
<table border="0"> <tr> <td>           * Special categories of cited documents:            "A" document defining the general state of the art which is not considered to be of particular relevance            "E" earlier application or patent but published on or after the international filing date            "L" document which may throw doubts on priority claim (S) or which is cited to establish the publication date of another citation or other special reason (as specified)            "O" document referring to an oral disclosure, use, exhibition or other means            "P" document published prior to the international filing date but later than the priority date claimed         </td> <td>           "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention            "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone            "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art            "&amp;" document member of the same patent family         </td> </tr> </table>			* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim (S) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim (S) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family			
Date of the actual completion of the international search 20.February 2003(20.02.03)		Date of mailing of the international search report <b>13 MAR 2003 (13.03.03)</b>		
Name and mailing address of the ISA/CN 6 Xitucheng Rd., Jimen Bridge, Haidian District, 100088 Beijing, China Facsimile No. 86-10-62019451		Authorized officer D. Guangyuan Telephone No. 86-10-62093952		

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PCT/CN02/00930

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	CN2442335Y (SHENZHEN ZHAOYAN TRAFFIC SISIENCE INDUSTRIAL LTD) 08.August 2001(08.08.01) all document	17
A	CN2038790U (Xu, Yelin) 07.June 1989(07.06.89) all document	9-16
A	US5331512 (ORTON KEVIN R(US)) 19.July 1994 (19.07.94) all document	1-8
A	JP11-87780 A (SHARP CORP) 30.March 1999 (30.03.99) all document	1-8
A	JP8-314395 A (BOHM CO LTD) 29.November 1996 (29.11.96) all document	1-8
A	JP2000-269551 A (BOHM CO LTD) 29.September 2000(29.09.00) all document	1-8
A	JP2000-22222 A (STANLEY ELECTRIC CO LTD) 21. January 2000 (21.01.00) all document	1-8
A	JP2000-277811 A (STANLEY ELECTRIC CO LTD) 06.October 2000 (21.01.00) all document	18-19
A	JP11-121808 A (IDEC IZUMI CORP) 30.April 1999(30.04.99) all document	18-19

**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

International application No.  
PCT/CN02/00930

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
CN2335265Y	25.August 1998 (25.08.99)	None	
CN2386535Y	05.July 2000 (05.07.00)	None	
CN2256561Y	18.June 1997 (18.06.97)	None	
CN2462225Y	28.November 2001 (28.11.01)	None	
CN2444117Y	22.August 2001 (22.08.01)	None	
CN2442335Y	08.August 2001 (08.08.01)	None	
CN2038790U	07.June 1989 (07.06.89)	None	
US5331512	19.July 1994 (19.07.94)	None	
JP11-87780 A	30.March 1999 (30.03.99)	None	
JP8-314395 A	29.November 1996 (29.11.96)	None	
JP2000-269551 A	29.September 2000 (29.09.00)	None	
JP2000-22222 A	21.January 2000 (21.01.00)	None	
JP2000-277811 A	06.October 2000 (06.10.00)	None	
JP11-121808 A	30.April 1999 (30.04.99)	None	